

AMANDEEP SINGH BAJWA

MBA, UCLA Anderson | PMP | CCP | PSP

Capital Projects & Project Controls Leader | Infrastructure · Energy · Utilities

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PROFESSIONAL SUMMARY

Project controls and estimating leader with 14+ years across \$1.5B+ in utility and infrastructure capital programs. Deployed as an embedded consultant to SoCalGas (Sempra), serving as the sole cost, estimating, and forecasting authority across three consecutive client engagements — currently a \$1B capital program in execution. Career spans most seats in the delivery cycle — estimating, procurement, field construction management, business development, change control and cost engineering — which is what makes the controls position credible to the teams it governs. Deep command of earned value management, EAC forecasting, change order and claims governance, and FERC/CPUC regulatory compliance, with a record of designing capital governance functions and transitioning them to permanent client ownership.

AREAS OF EXPERTISE

Project Controls & Analytics • Cost Estimating & EAC Forecasting • Earned Value Management (EVM)
Change Order & Claims Management • Capital Project Governance & Internal Controls • Risk Management
Regulatory Compliance (FERC / CPUC) • Bid Capture & Commercial Strategy • Contract Administration & Negotiation • Schedule Analysis (Primavera P6)
Executive & Client Reporting • Conceptual Estimating & Long-Range Capital Planning • Process Design

PROFESSIONAL EXPERIENCE

CMS — Client: SoCalGas (a Sempra utility)

Los Angeles, CA

PRINCIPAL PROJECT CONTROLS MANAGER

June 2019 – Present

Six-year client-facing consulting engagement embedded with SoCalGas as project controls and estimating lead across its compressor station and pipeline capital portfolio — \$1.5B+ in total capital value.

- **Advisory Outcome — Built a Client Function:** Designed and stood up Change Management as a standalone department at SoCalGas where none existed — defining the governance model, approval workflow, and control procedures for design and scope modifications. Trained the practitioner who now leads it independently, from outside the discipline. The department has since grown to a team of nearly ten.
- **Engagement Portfolio:** Sole cost, estimating, and forecasting authority across three consecutive client engagements — Blythe Compressor Station (\$335M), the RECLAIM portfolio (four projects, ~\$200M), and the HRCM capital program (\$1B) — serving as the single point of accountability senior project and construction leadership relied on for capital cost decisions.
- **Executive Advisory:** Built Estimate at Completion (EAC) models and cost performance dashboards adopted by the Director of Engineering and senior leadership as the basis for capital allocation, reforecasting, and portfolio prioritization decisions.
- **Commercial Recovery:** Reduced total project cost by 15% by leading change order negotiations and rebuilding the change control lifecycle to close approval gaps and prevent scope leakage.
- **Regulatory & Rate-Case Support:** Directed cost substantiation and controls documentation for internal audit and FERC/CPUC regulatory filings, maintaining an evidentiary standard that withstands rate-case scrutiny.
- **Capital Planning:** Delivered data-driven conceptual estimates benchmarked from historical cost data to secure preliminary budget approvals and support long-range capital portfolio planning.
- **Capability Building:** Mentor and train client staff and incoming controls practitioners in EVM discipline, change governance, and estimating methodology; volunteer instructor for AACE International's CCP certification program.

Ridgeline — Project Controls Platform

Independent Build

PRODUCT & ENGINEERING

2026 – Present

Owner-side project controls platform automating the capital delivery workflows above — built to interrogate what a contractor submits rather than merely store it, for the ~96% of projects with no dedicated controls team to do it. Working API and web application, built solo with AI coding agents, applying machine-learning document recognition to work previously done by hand.

- **Contractor Estimate Audit:** Built an automated take-off audit that interrogates a contractor's bid without opening a drawing — internal arithmetic, the dimensional basis the estimator wrote into each line, ratio outliers against the sheet's own population, and allowances told apart from errors. Run over a live capital project bid: confirmed the arithmetic across 42,114 priced rows and surfaced five quantity items to put to the contractor.
- **Automated Take-off from Drawings:** Built a machine-learning per-cell OCR pipeline after establishing that whole-table extraction fails on engineering drawings — completing a piping take-off of 19,633 ft across 7,422 bore-identified rows, and reading 440 numbered piles and 196 supports from a 259-sheet structural package.
- **Undeclared Change Detection:** Fingerprints each drawing sheet's content independently of its titleblock and revision number, isolating the case revision control misses — content changed, revision unchanged, meaning work nobody priced and no contractor can claim for. Reduces a 100-sheet reissue to the 15 sheets worth reading.
- **Schedule Forensics:** In-house CPM over P6 exports with multi-calendar float and retained-logic handling, DCMA 14-point quality gates, and delay attribution by reverting one change and re-running the network — validated against two consecutive updates of a live capital project, reproducing both contract dates to the minute with attribution balancing to zero.
- **Executive Reporting Layer:** Built first, to replace Power BI: a nine-screen reporting layer spanning schedule quality, earned value, payment certification, changes, and risk, distilling portfolio status into the written monthly review a controls reviewer would produce. Monte Carlo risk simulation and AACE 65R-11 contingency, with findings phrased as questions to put to the contractor rather than assertions.

Larsen & Toubro Limited

SENIOR CONSTRUCTION MANAGER

Chennai, India & Abu Dhabi, UAE

February 2011 – December 2016

Joined in Chennai on tendering and commercial work, then moved to the UAE across planning, estimating and construction management — Sheikh Khalifa Interchange, Mafraq-Al Ghweifat Highway, and Abu Dhabi International Airport.

- **Planning & Estimating:** Planning engineer and estimator on the Sheikh Khalifa Interchange — schedule development and cost estimating on a major Abu Dhabi Department of Transport interchange.
- **Field Delivery:** Construction manager on the Mafraq-Al Ghweifat Highway and Abu Dhabi International Airport. On Mafraq-Al Ghweifat, directly managed four foremen and their multidisciplinary crews delivering a ten-mile section on schedule.
- **Commercial Strategy:** Tendering and commercial work from Chennai in the first year, winning four of nine major bid-to-build pursuits — a 44% capture rate — through competitive value engineering.
- **Strategic Sourcing:** Built supply chain strategy for 200+ critical line items and negotiated blanket purchase agreements delivering \$1.5M in direct savings.
- **Process Innovation:** Introduced a digital survey methodology that cut survey cycle time by 50% and associated survey costs by 75%, adopted as the divisional standard.
- **Contract Administration:** Negotiated and administered subcontractor and trade partner agreements across complex multi-jurisdictional legal and regulatory environments.

EDUCATION

Executive MBA — UCLA Anderson School of Management

June 2026

Specializations: Finance and Entrepreneurship

M.S., Civil Engineering — University of Kansas

January 2017 – December 2018

B.S., Civil Engineering — Nagpur University

2010

CERTIFICATIONS & PROFESSIONAL LEADERSHIP

Certifications: Project Management Professional (PMP) | Certified Cost Professional (CCP) | Planning & Scheduling Professional (PSP) | Lean Six Sigma Green Belt

Professional Instruction: Volunteer instructor, AACE International — prepared practicing project controls professionals for CCP certification

Memberships: Project Management Institute (PMI) | AACE International

Technical: SAP | Oracle Primavera P6 | Procore | HCSS | ECM | MicroStation | Advanced Excel & Data Visualization